



DEBRIS BUILD-UP TESTS

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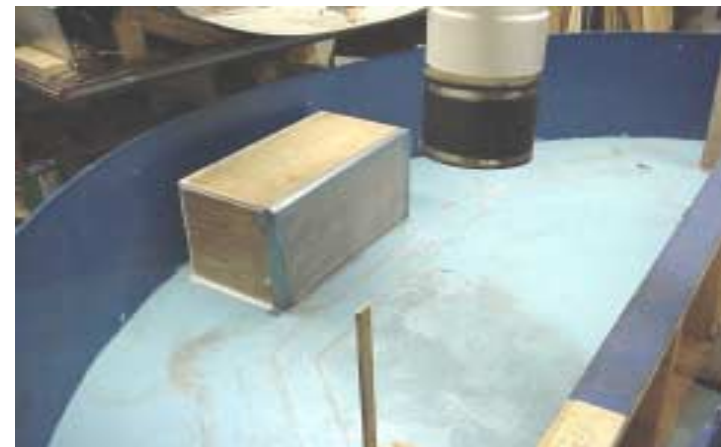
Pump Supplies Flume & Tank



**2 valves for coarse
& fine adjustment**



Outflow from the Tank



**Vertical Screen in
13' diameter tank**





FLOWMETER CALIBRATION



2,500 gpm pump

Calibration of New Meter Post Adjustment

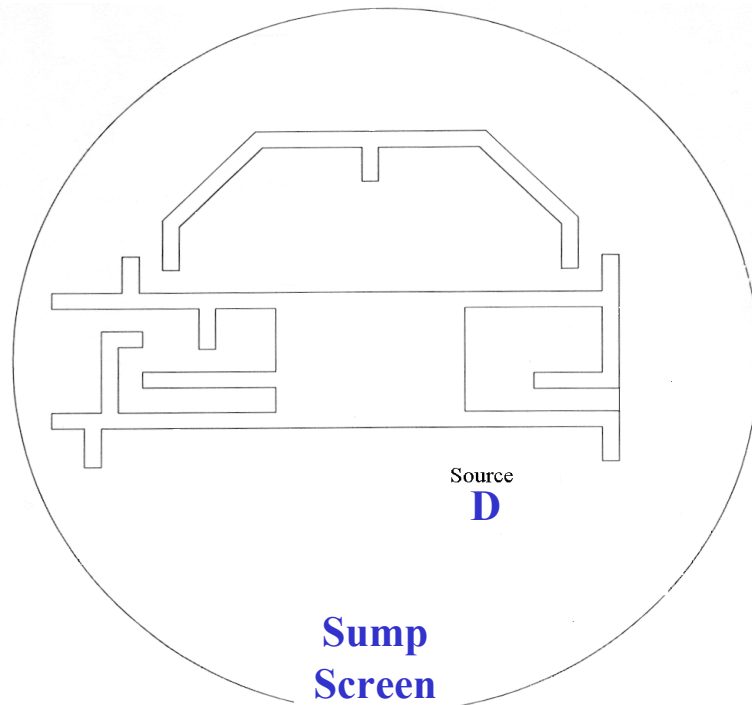




SHORT DURATION TESTS



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200g of Nukon distributed evenly on the floor at Source D, tank empty

9" water height, 60 gpm, transport fraction: 10%

9" water height, 140 gpm, transport fraction: 24%

16" water height, 140 gpm, transport fraction: 11%





MOVIE

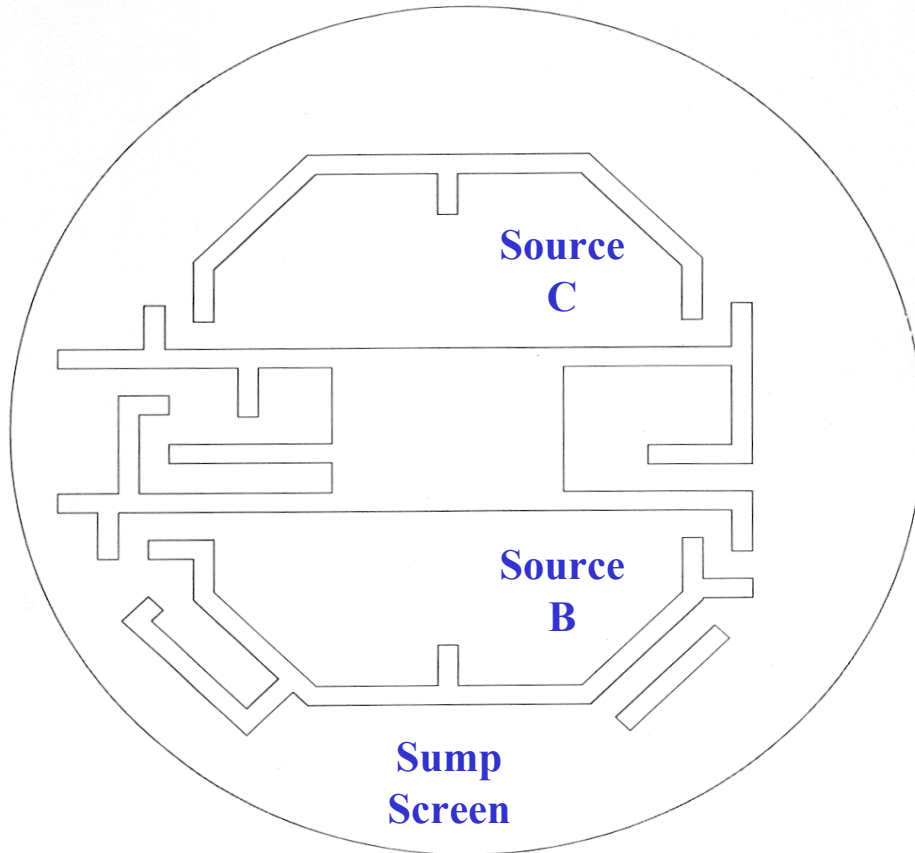


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SHORT DURATION TESTS



CONFIGURATION B

Flow rate 130 - 200 gpm

185g-250g added with tank empty

Amount transported in 15-30 minutes:

47%, 39%, 45%, 37%

200g added with tank 9" full

Amount transported in 15-30 minutes:

31%, 41%, 31%, 13%

CONFIGURATION C

Flow rate 40 gpm

100g added with tank empty

Amount transported: 9%

100g added with tank 9" full

Amount transported: 1%



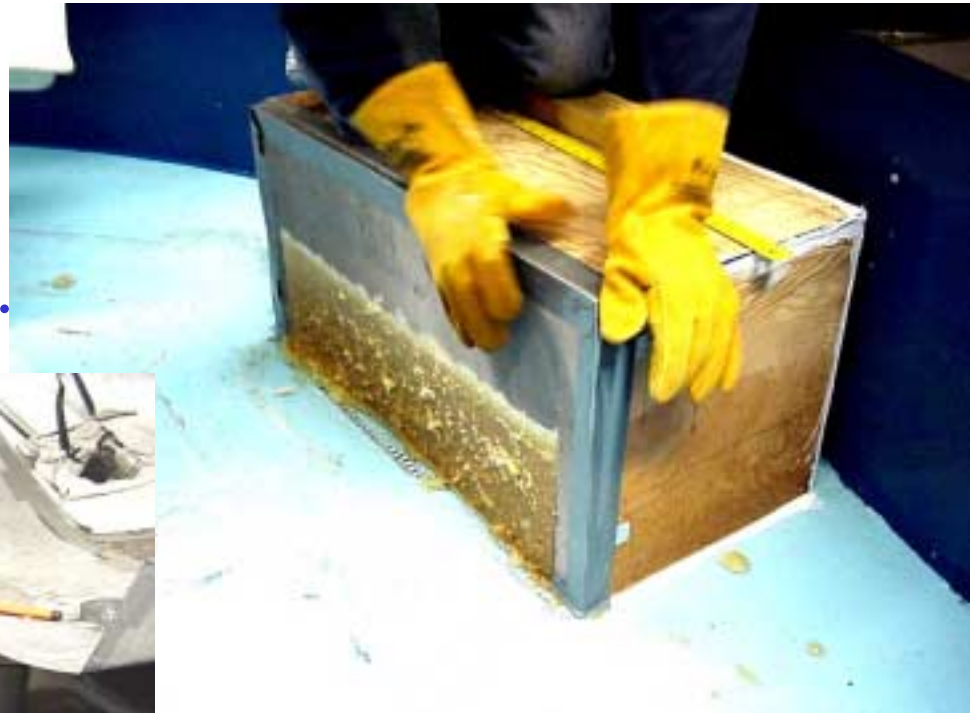


LONG DURATION TESTS



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- Source at location D
- 140-150 gpm flow
- 200 grams of Nukon added at the source from a bucket
- Samples collected every 1/2 hr.



**Uniform Buildup on Screen
for 9" water height**



Sample scraped off dried and weighed





Long term Test Data

